

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS HOLE ☒ WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

9800817 LA'D CAP 8-11-98:

DATE FILED OCTOBER 23, 1995

LAND: FEE & PATENTED STATE LEASE NO.

PUBLIC LEASE NO. U-18134

INDIAN

DRILLING APPROVED: OCTOBER 26, 1995

SPUDDED IN:

COMPLETED: 8-11-98 LA'D PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: August 11, 1998 LA'D

FIELD: BUZZARD BENCH

UNIT: FERRON FEDERAL

COUNTY: EMERY

WELL NO. FERRON FEDERAL 11-1-19-7

API NO. 43-015-30261

LOCATION 1940 FSL FT. FROM (N) (S) LINE. 1944 FWL

FT. FROM (E) (W) LINE. NE SW

1/4 - 1/4 SEC. 1

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
19S	7E	1	CHANDLER & ASSOC. INC				

CONFIDENTIAL

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires: December 31, 1991

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U-18134		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A		
2. NAME OF OPERATOR Chandler & Associates, Inc.			7. UNIT AGREEMENT NAME N/A		
3. ADDRESS AND TELEPHONE NO. 475 Seventeenth St., Suite 1000 Denver, CO 80202			8. FARMOR LEASE NAME, WELL NO. Ferron Federal		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1940' FSL 1944' FWL At proposed prod. zone NE 1/4 SW 1/4			9. API WELL NO. # 11-1-19-7		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* See Topo Map "A"			10. FIELD AND POOL, OR WILDCAT		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 756'		16. NO. OF ACRES IN LEASE 1480	17. NO. OF ACRES ASSIGNED TO THIS WELL 40		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		19. PROPOSED DEPTH 2380'	20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6025' GR			22. APPROX. DATE WORK WILL START* A.S.A.P.		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	300'	(See Attached Drilling Plan)
7 7/8"	5 1/2"	15.5#	2380'	(See Attached Drilling Plan)

COPY

1. M.I.R.U.
2. Drill to T.D. 2380'
3. Run 5 1/2" casing if commercial production is indicated
4. If dry hole, well will be plugged and abandoned as instructed by B.L.M.
5. Well will be drilled with air/mist to T.D. mud will be in place to run 5 1/2" casing.

I hereby certify that I am responsible by the term and conditions of the lease to conduct lease operations. Bond coverage for lease activities is being provided by Chandler & Associates, Inc. B.L.M. Bond # 124290364.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Robert L. Kay TITLE Agent for Chandler DATE 8-1-95
(This space for Federal or State office use)

PERMIT NO. 43-015-30261 APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Matthews TITLE Petroleum Engineer DATE 10/26/95
*See Instructions On Reverse Side

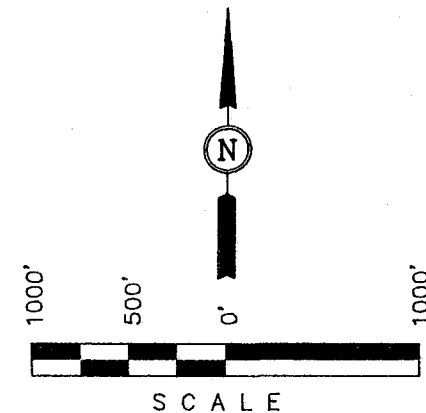
T19S, R7E, S.L.B.&M.

CHANDLER & ASSOCIATES, INC.

Well location, FERRON FEDERAL #11-1-19-7, located as shown in the NE 1/4 SW 1/4 of Section 1, T19S, R7E, S.L.B.&M. Emery County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 1, T19S, R7E, S.L.B.&M. TAKEN FROM THE CASTLE DALE QUADRANGLE, UTAH, EMERY COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5941 FEET.



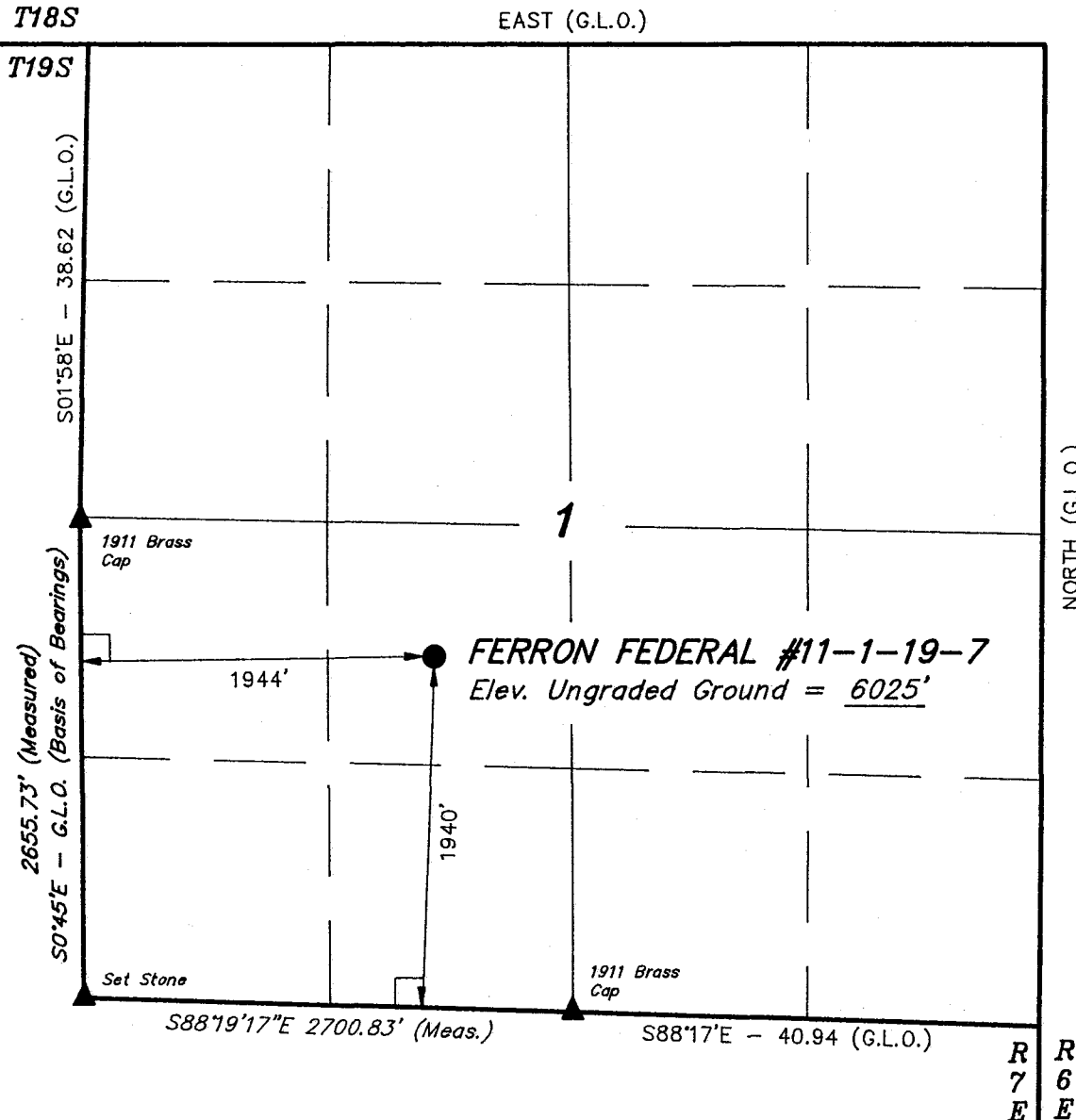
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 7-28-95	DATE DRAWN: 7-31-95
PARTY D.A. C.G. D.J.S.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE CHANDLER & ASSOCIATES, INC.	



LEGEND:

- └─ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

Chandler & Associates, Inc.
Ferron Federal 11-1-19-7
Lease U-18134
NE/SW Section 1, T19S, R7E
Emery County, Utah

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Chandler & Associates, Inc. is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0969 (Principal - Chandler & Associates, Inc.) via surety consent as provided for in 43 CFR § 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR § 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR § 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

1. The BOP system shall be rated to 2M as proposed. Installation, testing and operation of the system shall be in conformance with Onshore Oil and Gas Order No. 2.
2. The proposal indicated that a double gate or single gate BOP would be used. A double gate BOP, as depicted on your schematic, must be used. A single gate BOP does not meet the standards of Onshore Oil and Gas Order No. 2.
3. The application indicated that a rotating head would not be used. As with all air drilling operations, use of a rotating head is mandatory.
4. The application also indicated that no float would be used at the bit. During air drilling operations, a float valve must be in place above the bit.
5. The choke manifold diagram does not depict a pressure gauge in the system. The manifold must include a pressure gauge with a valve capable of isolating the gauge from the system.
6. Considering the potential for fresh water in the surface formation (Emery Sandstone), the operator will have two options to protect it, either:
 - 1) Surface casing shall be set through the Emery Sandstone and at least 50 feet into the underlying Bluegate Shale. This would extend the surface casing from 300 feet to approximately 680 feet., or
 - 2) Cement behind the production casing shall be circulated back to surface.
7. Any fluid bearing zones or lost circulation zones encountered while drilling will be isolated behind casing and cement.
8. If a gas meter run is constructed, it will be located on lease within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and will be buried downstream of the meter until it leaves the pad. Meter runs will be housed and/or fenced. The gas meter shall be calibrated prior to first sales and shall be calibrated quarterly thereafter. All gas production and measurement shall comply with the provisions of 43 CFR § 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

CONDITIONS OF APPROVAL

Application for Permit to Drill
Chandler and Associates
Ferron Federal #11-1-19-7
T.19.S., R.7.E. Sec. 1 NESW
Emery Co. Utah

1. No earthwork will be done when the soil is wet or frozen.
2. The drill pad will be designed to prevent overland flow from entering or exiting the site during rainstorms. The pad site will be sloped to drain spills and rainwater into the reserve pit.
3. Topsoil from the spur road will be windrowed along the uphill side of the road. When the well is plugged and the road is put to bed, this soil shall then be used as a topcoating for the seed bed.
4. Because of the probable presence of the threatened San Rafael Footcactus, no offroad activities will be tolerated.
5. Prior to reclamation, BLM will be contacted so that arrangements can be made with the permittee to restrict cattle access to this portion of the allotment.
6. The seed mixture shall be made up of the following species and amounts:

<u>Common name</u> <u>(lbs/ac)</u>	<u>Latin</u>	<u>Amount</u>
Galleta	<i>Hilaria jamesii</i>	2
Indian Ricegrass	<i>Oryzopsis hymenoides</i>	2
Forage kochia	<i>Kochia prostrata</i>	2
Fourwing saltbush	<i>Atriplex canescens</i>	2
Shadscale	<i>Atriplex confertifolia</i>	2
Globemallow, scarlet	<i>Sphaeralcea coccinea</i>	1
Small burnet	<i>Sanguisorba minor</i>	1
Yellow Sweetclover	<i>Melilotus officinalis</i>	+ 1

Total: 11 lbs/ac
Substitute species may be used with BLM approval.

B. Surface Use Plan

1. No earthwork will be done when the soil is wet or frozen.
2. The drill pad will be designed to prevent overland flow from entering or exiting the site during rainstorms. The pad site will be sloped to drain spills and rainwater into the reserve pit.
3. Topsoil from the spur road will be windrowed along the uphill side of the road. When the well is plugged and the road is put to bed, this soil shall then be used as a topcoating for the seed bed.
4. Because of the probable presence of the threatened San Rafael Footcactus, no offroad activities will be tolerated.
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Yellow Sweetclover	<i>Melilotus officinalis</i>	+ 1

Total:

11 lbs/ac

Substitute species may be used with BLM approval.

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the Resource Area, Natural Resource Protection Specialist at least 48 hours prior to commencing construction of location.

Spud- The spud date will be reported to the Resource Area Office 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the District Office on a weekly basis.

Monthly Reports of Operations- In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices- There will be no deviation from the proposed drilling and/or workover program without prior approval. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR § 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- Should the well be successfully completed for production, the District Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed into production.

A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Resource Area Office. The Resource Area Office shall be notified prior to the first sale.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR § 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the District Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the authorized officer. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue the venting/flaring as uneconomic is granted. In such case, compensation to the lessor shall be required for that portion of the gas that is vented/flared without approval and which is determined to have been avoidably lost.

Produced Water- Produced waste water may be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted to the District Office for approval pursuant to Onshore Oil and Gas Order No. 7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the District Office for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the District Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Office within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR § 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

NOTIFICATIONS

Notify Mike Kaminski of the BLM, Price Area Office in Price, Utah, at (801) 636-3600, or at home (801) 637-2518 for the following:

2 days prior to commencement of dirt work, construction and reclamation;

1 day prior to spudding;

50 feet prior to reaching each casing setting depth;

3 hours prior to testing BOPE

If the person at the above number cannot be reached, notify the Moab District Office at (801) 259-6111. If unsuccessful, contact one of the people listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab District Office, Branch of Fluid Minerals at (801) 259-6111. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer	Office: (801) 259-6111
	Home: (801) 259-2214
Gary Torres, Petroleum Engineer	Office: (801) 587-2141
	Home: (801) 587-2705

CHANDLER & ASSOCIATES, INC.
DRILLING PLAN FOR THE
FERRON FEDERAL #11-1-19-7

I. DRILLING PLAN:

1. Geological Surface Formation: EMERY

2. Estimated Tops:

<u>Name</u>	<u>Top</u>	<u>Prod. Phase Anticipated</u>
Bluegate	630'	
Ferron Ss	1920'	Gas
Tununk Sh	2230'	
TD	2380'	

3. CASING PROGRAM:

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg. Size</u>	<u>Type</u>	<u>Weight</u>
Surface	300'	12-1/4"	8-5/8"	J-55	24#/ft (new)
Prod.	2380'	7-7/8"	5-1/2"	J-55	15.5#/ft (new)

4. Operator's Specification for Pressure Control Equipment:

- A. 2,000 psi W.P. Double Gate BOP or Single Gate BOP (Schematic attached).
- B. Functional test daily.
- C. All casing strings shall be pressure-tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. All ram-type preventers and related control equipment shall be tested at the rated working pressure of the stack assembly or at 70 percent of the minimum internal yield pressure of the casing, whichever is less. Tests shall be done at the time of installation, prior to drilling out, and weekly. All tests shall be for a period of 15 minutes.

Chandler & Associates, Inc.
Ferron Federal #11-1-19-7

5. Auxiliary Equipment:

- A. Kelly Cock - yes.
- B. Float at the bit - no.
- C. Monitoring equipment on the mud system - visually.
- D. Full opening safety valve on rig floor - yes.
- E. Rotating head - no.
- F. The blooie line shall be a least 6" in diameter and extend at least 100' from the wellbore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').
- H. Compressor shall be tied directly to the blooie line through a manifold.
- I. A mistor with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

6. Proposed Circulating Medium:

<u>Depth</u>	<u>Mud Type</u>	<u>Density</u> <u>(lb./gal)</u>	<u>Viscosity</u>	<u>Water Loss</u>
0'-2380'	Air/Mist	-	-	-
TD	KCL Water			

7. Testing, Logging, and Coring Program:

- A. Cores - None anticipated.
- B. DST - none anticipated.
- C. Logging - DIL-GR (TD to base of surface casing).
FDC-CNL-GR-Cal (TD to base of surface casing).

Chandler & Associates, Inc.
Ferron Federal #11-1-19-7

D. Formation and Completion Interval: Ferron interval, final determination of completion will be made by analysis of logs.
Stimulation - Stimulation will be designed for the particular area of interest as encountered.

E. Frac gradient - approximately .80 psi/ft.

8. Cementing Program:

<u>Casing</u>	<u>Volume</u>	<u>Type & Additives</u>
Surface	150 sx	Class "G" (based on 100% access)
Production	210*	180 sx 50-50 poz, plus 30 sx class "G".

Cement Characteristics:

Class "G" - yeild = 1.18 cu.ft. per. sack
weight = 15.8 lb./gal
strength = 3200 psi in 72 hrs @ 135 degrees

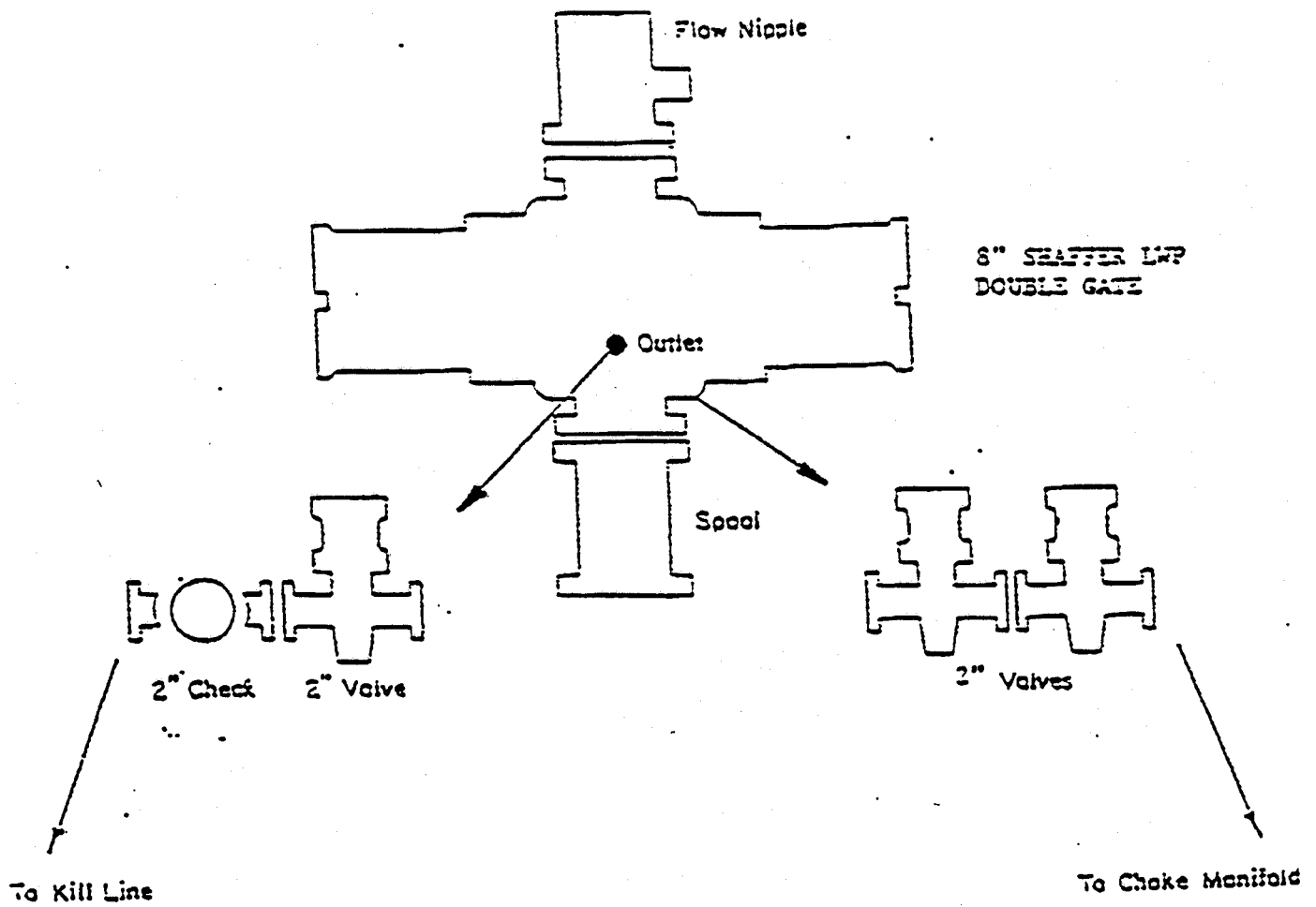
* Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

9. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards:

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 1,500 psi (calculated at 0.630 psi/ft) and maximum anticipated surface pressure equals approximately 976 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

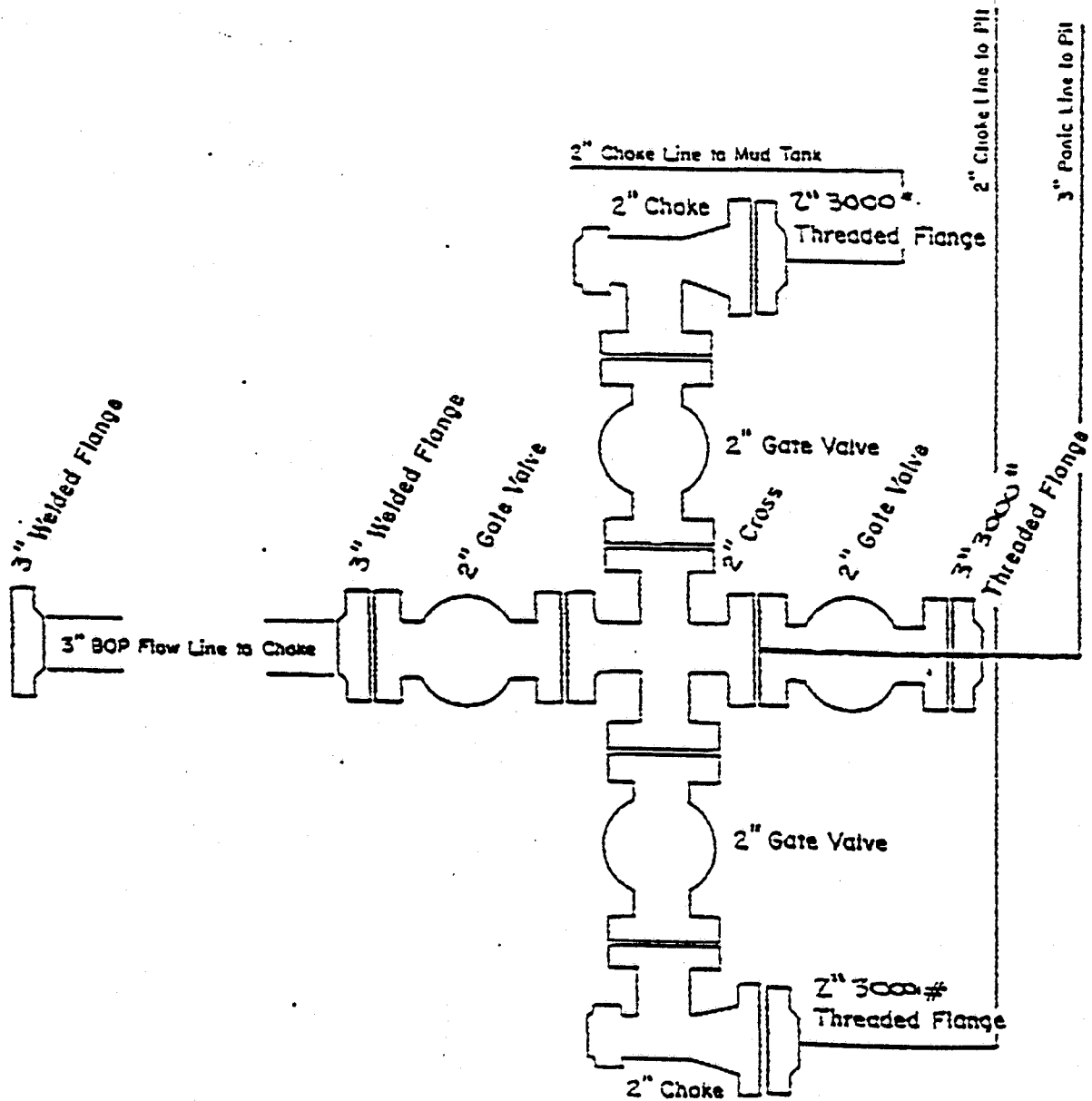
CHANDLER DRILLING

RIG NO.7



CHANDLER DRILLING

RIG NO.7



II. SURFACE USE PLAN
CHANDLER & ASSOCIATES, INC.
FERRON FEDERAL #11-1-19-7

1. Existing Road:

- A. Topo Map "A" is the vicinity map, showing the access routes from Orangeville, Utah.
- B. Topo Map "B" shows the proposed access road to each individual well. It also shows existing roads in the immediate area.
- C. The existing and proposed access road, unless otherwise stated, shall be crowned, ditched, and dipped from the nearest improved road.
- D. Occasional maintenance blading and storm repairs will keep roads in good condition.
- E. There shall be no mud blading on the access road. Vehicles may be towed through the mud provided they stay on the roadway.

2. Planned Access Roads:

The proposed access road, will be crowned, ditched, and dipped.

- A. Maximum grade will be 8% or less, unless otherwise stated.
- B. No turnouts will be required.
- C. Low water crossings to be placed in Proposed Access road during drilling process and culverts may be installed at a later date.
- D. Road surface material will be that native to the area.

Chandler & Associates, Inc.
Ferron Federal #11-1-19-7

- E. No cattleguard will be required.
- F. The proposed access road was flagged at the time the location was staked.
- G. The area authorized officer will be contacted at least 24 hours prior to commencing construction of the access road and well pad.
- H. The backslopes of the proposed access roads will be no steeper than vertical or 1/4:1 in rock; and 2:1, elsewhere.

The operator or his contractor will notify the B.L.M. office at least 48 hours prior to commencement of any work on these locations, roadways, or pipelines.

3. Location of Existing Wells:

None

4. Location of Existing and/or Proposed Facilities:

- A. All Petroleum Production Facilities are to be contained within the proposed location sites.
- B. In the event that production of these wells is established, the following will be shown:
 - 1. Proposed location and attendant lines, by flagging, if off well pad.
 - 2. Dimensions of facilities.
 - 3. Construction methods and materials.

Chandler & Associates, Inc.
Ferron Federal #11-1-19-7

- C. The area used to contain the proposed production facilities will be built using native materials. If these materials are not acceptable, then other arrangements will be made to acquire them from private sources. These facilities will be constructed using bulldozers, graders, and workman crews to construct and place the proposed facilities.
- D. All permanent facilities placed on the locations shall be painted a non-reflective color which will blend with the natural environment.
- E. A dike shall be constructed around the tank battery, of sufficient capacity to adequately contain at least 110 percent of the storage capacity of the largest tank within the dike.
- F. All buried pipelines shall be covered to a depth of 3 feet except at road crossings where they shall be covered to a depth of 4 feet.
- G. Construction width of the right-of way/pipeline route shall be restricted to 30 feet of disturbance.
- H. Pipeline location warning signs shall be installed within 90 days upon completion of construction.

5. Location and Type of Water Supply:

Any water to be used for the drilling of this well will be from the city of Castle Dale and transported by a local trucking company.

No water wells are to be drilled.

Chandler & Associates, Inc.
Ferron Federal #11-1-19-7

6. Source of Construction Materials:

A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads from the area. No special access other than for drilling operations and pipeline construction is needed.

B. All access roads crossing B.L.M. Land are described under item #2 and shown on Map #B.

All Construction material for these location sites and access roads shall be borrow material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, but if it is required, the appropriate actions will be taken to acquire it from private sources.

C. All well pad surface disturbance area is on B.L.M. lands

7. Methods for Handling Waste Disposal:

A. Drill cuttings will be buried in the reserve pit when covered.

B. Drilling fluids will be contained in the reserve pit.

C. Any hydrocarbon liquids produced while production testing will be contained in a test tank. Any unavoidable spills of oil or other adverse substances or materials will be removed immediately during drilling progress or during completion operations.

D. Portable chemical toilets will be provided and serviced by a local commercial sanitary service.

Chandler & Associates, Inc.
Ferron Federal #11-1-19-7

- E. Garbage and trash will be collected in a trash cage and its contents hauled to a sanitary landfill.

All wastes caused by the construction activities shall be promptly removed and disposed of in a sanitary landfill or as directed by the authorized officer.

- F. Prior to commencement of drilling, the reserve pit will be fenced on three sides using 39-inch net wire with at least one (1) strand of barbed wire. All wire is to be stretched before attaching to corner posts. When drilling activities are completed it will be fenced on the fourth side and allowed to dry (if liquids are present). After drying, the fences will be removed and the pit shall be buried. Reclamation will be undertaken no later than the fall of the year after all drilling activity has ceased.

8. Ancillary Facilities:

No air strips, camps, or other living facilities will be built off the location. Housing and office trailers will be on the location as seen on the location layout.

9. Well Site Layout:

- A. See attached cutsheet.
- B. The areas authorized officer will be contacted at least 24 hours prior to commencing construction of the access road and well pad.
- C. The authorized officer will determine after the location is constructed whether the pit is to be lined, and if so, the type of material to be used.
- D. Topsoil shall be stripped to a depth of 4 to 6 inches and stockpiled as shown on the location layout plat.
- E. The backslopes of the locations will be no steeper than vertical or 1/4:1 in rock, and 2:1 elsewhere.

Chandler & Associates, Inc.
Ferron Federal #11-1-19-7

- F. The upper edges of all cut banks on the access roads and well pads will be rounded.
- G. Catchment ponds to be placed as required to intercept drainage re-routes.

10. Plans for Restoration:

- A. Immediately upon completion, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.
- B. Before any dirt work to restore the location takes place, the reserve pit must be completely dry. The reserve pit will be reclaimed within 90 days from the date of well completion.
- C. The area officer shall be notified at least 48 hours prior to commencing reclamation work.
- D. All disturbed areas will be seeded with the a mixture which is found suitable by the B.L.M.
- E. The seed bed will be prepared by disking, following the natural contour. Drill seed on contour at a depth no greater than 1/2 inch. In areas that cannot be drilled, the seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed is recommended.
- F. Fall seeding will be completed after September, and prior to prolonged ground frost.

Chandler & Associates, Inc.
Ferron Federal #11-1-19-7

- G. If the well is a producer, access roads will be upgraded and maintained as necessary to prevent soil erosion, and accommodate year round traffic. Areas unnecessary to operations will be reshaped, topsoil distributed, and seed distributed according to the above mixtures. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.
- H. If the well is abandoned or is a dry hole, the access road and location will be restored to approximate the original contours. During reclamation of the site the fill material will be pushed into cuts and up over the backslope. No depressions will be left that would trap water or form ponds. Topsoil will be distributed evenly over the location and seeded according to the above mixture. The access road and the location shall be ripped or disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.
- I. Annual or noxious weeds shall be controlled on all disturbed areas. Method of control shall be by an approved mechanical method or an Environmental Protection Agency (EPA) registered herbicide. All herbicide application proposals must be approved. Application of herbicides must be under direct field supervision of an EPA certified pesticide applicator.

11. Other Information:

- A. The area is used by man for the primary purpose of grazing domestic livestock.

All activity shall cease when soils or road surfaces become saturated to a depth of three inches, unless otherwise approved by the Authorized Officer.

If any fossils are discovered during construction, the operator shall cease construction immediately and notify the Authorized Officer so as to determine the significance of the discovery.

- B. A Class III cultural resource inventory shall be completed prior to disturbance by a qualified professional Archaeologist.

Chandler & Associates, Inc.
Ferron Federal #11-1-19-7

- C. The B.L.M. considers the development of groundwater resources to be necessary and frequently indispensable to effective land management. Therefore, any groundwater intercepted by the party conducting mineral exploration shall be reported to the authorized officer immediately including approximate quantities and a sample in a sealed quart container. The B.L.M. shall have the first opportunity to file State water rights for the intercepted groundwater. The undersigned may file for water rights only with a written waiver from the State.
- D. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:
- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and a timeframe for the AO to complete an expedited review under 36 CFR 800-11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

Chandler & Associates, Inc.
Ferron Federal #11-1-19-7

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, an operator will then be allowed to resume construction.

- E. Less than 10,000 pounds of any chemical(s) from EPA's Consolidated list of Chemicals Subject to Reporting Under Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986, and less than threshold planning quantity (TPQ) of any extremely hazardous substances(s), as defined in 40 CFR, would be used, produced, transported, stored, disposed, or associated with the proposed action.

12. Lessee's or Operator's Representative:

Mr. Don Johnson
Manager Operations/Production
Chandler & Associates, Inc.
475 Seventeenth Street
Suite 1000
Denver, Colorado 80202
Telephone #(303)295-0400

Chandler & Associates, Inc.
Ferron Federal #11-1-19-7

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite(s) and access route(s); that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by **Chandler & Associates, Inc.**, and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

This statement is subject to the provision of 18 U.S.C. 1001 for the filing of a false statement.

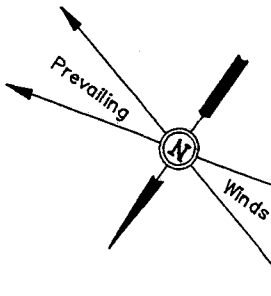
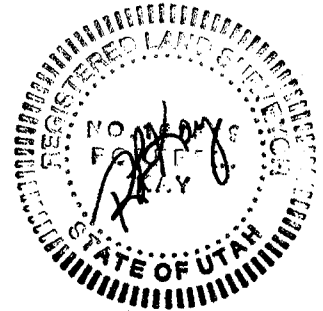
8-1-95
Date

Robert L. Kay
Robert L. Kay
Agent

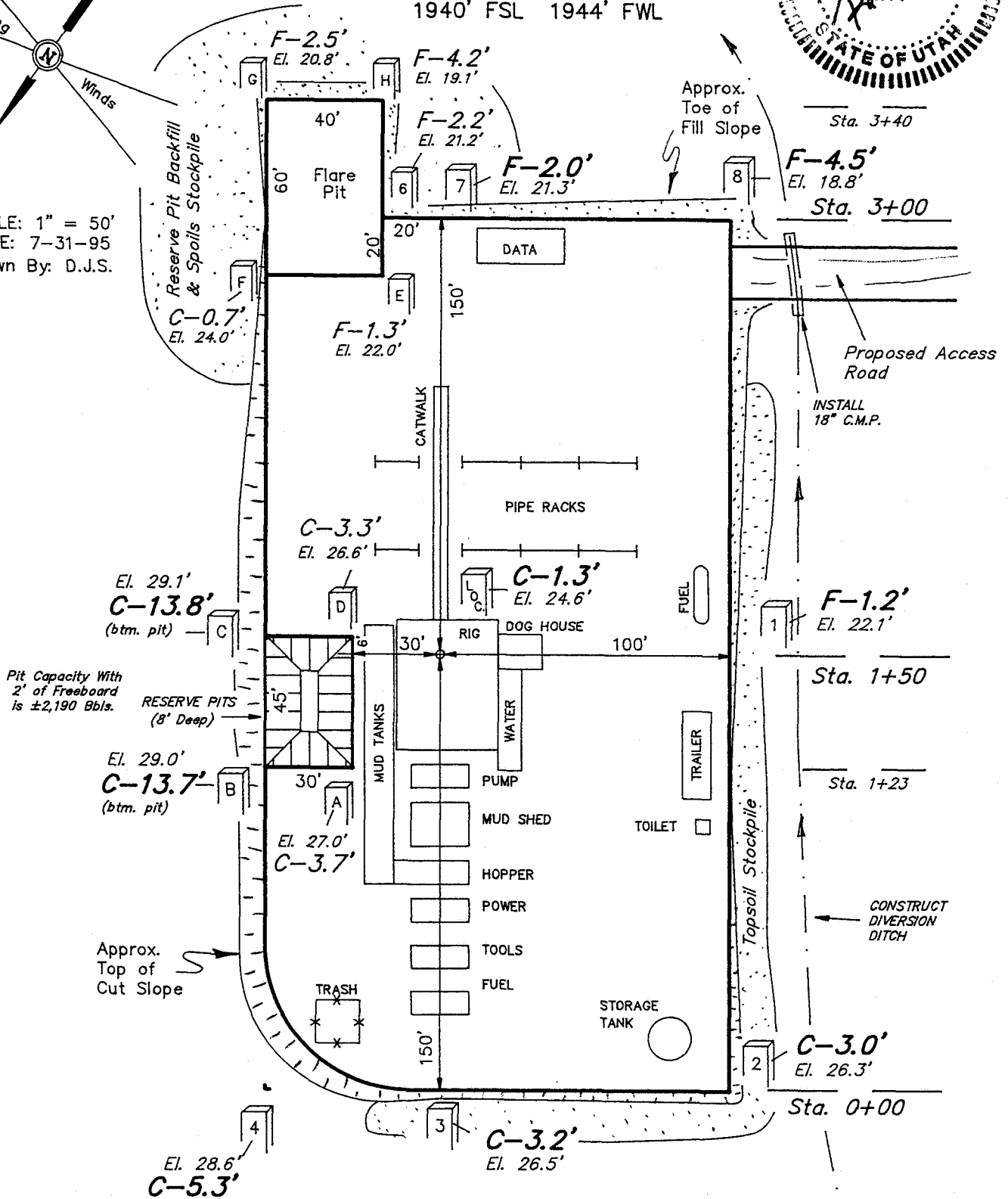
CHANDLER & ASSOCIATES, INC.

LOCATION LAYOUT FOR

FERRON FEDERAL #11-1-19-7
SECTION 1, T19S, R7E, S.L.B.&M.
1940' FSL 1944' FWL



SCALE: 1" = 50'
DATE: 7-31-95
Drawn By: D.J.S.



Elev. Ungraded Ground at Location Stake = 6024.6'

Elev. Graded Ground at Location Stake = 6023.3'

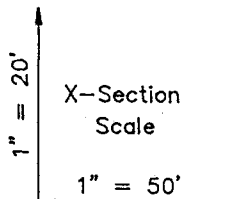
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

CHANDLER & ASSOCIATES, INC.

TYPICAL CROSS SECTIONS FOR

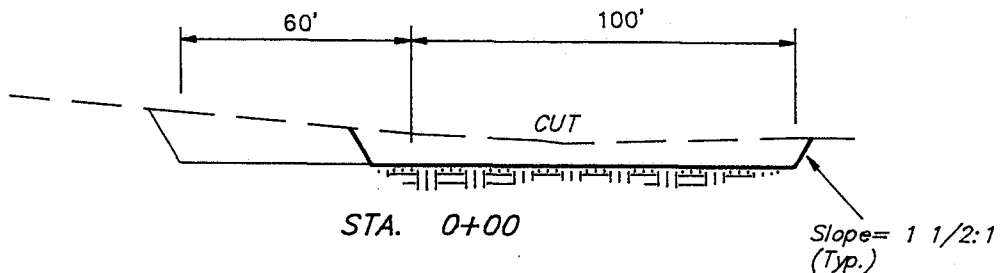
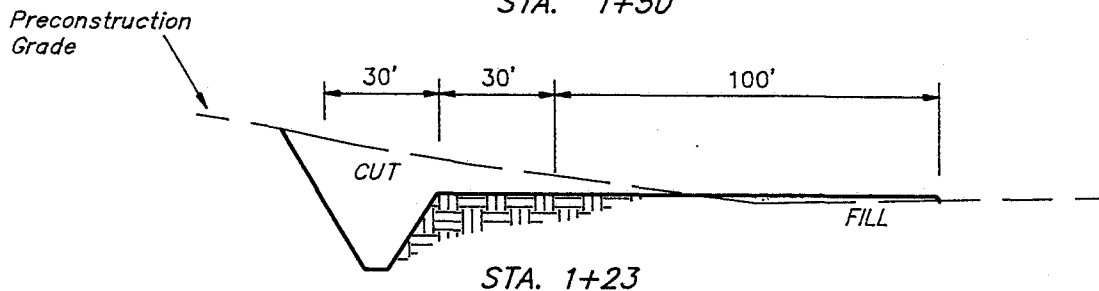
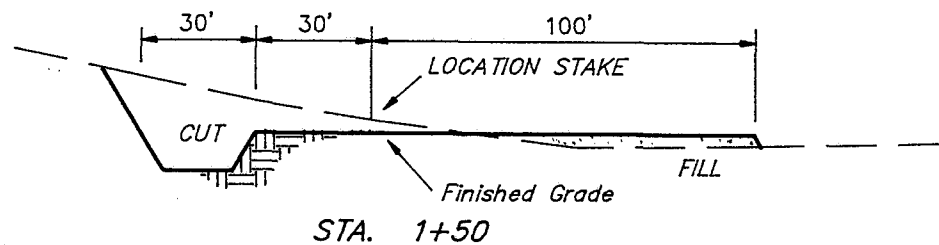
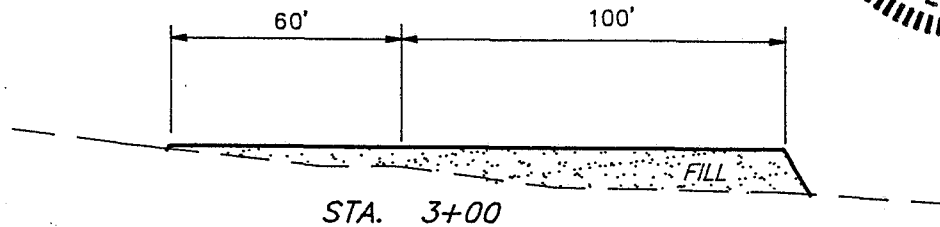
FERRON FEDERAL #11-1-19-7
SECTION 1, T19S, R7E, S.L.B.&M.

1940' FSL 1944' FWL



DATE: 7-31-95

Drawn By: D.J.S.

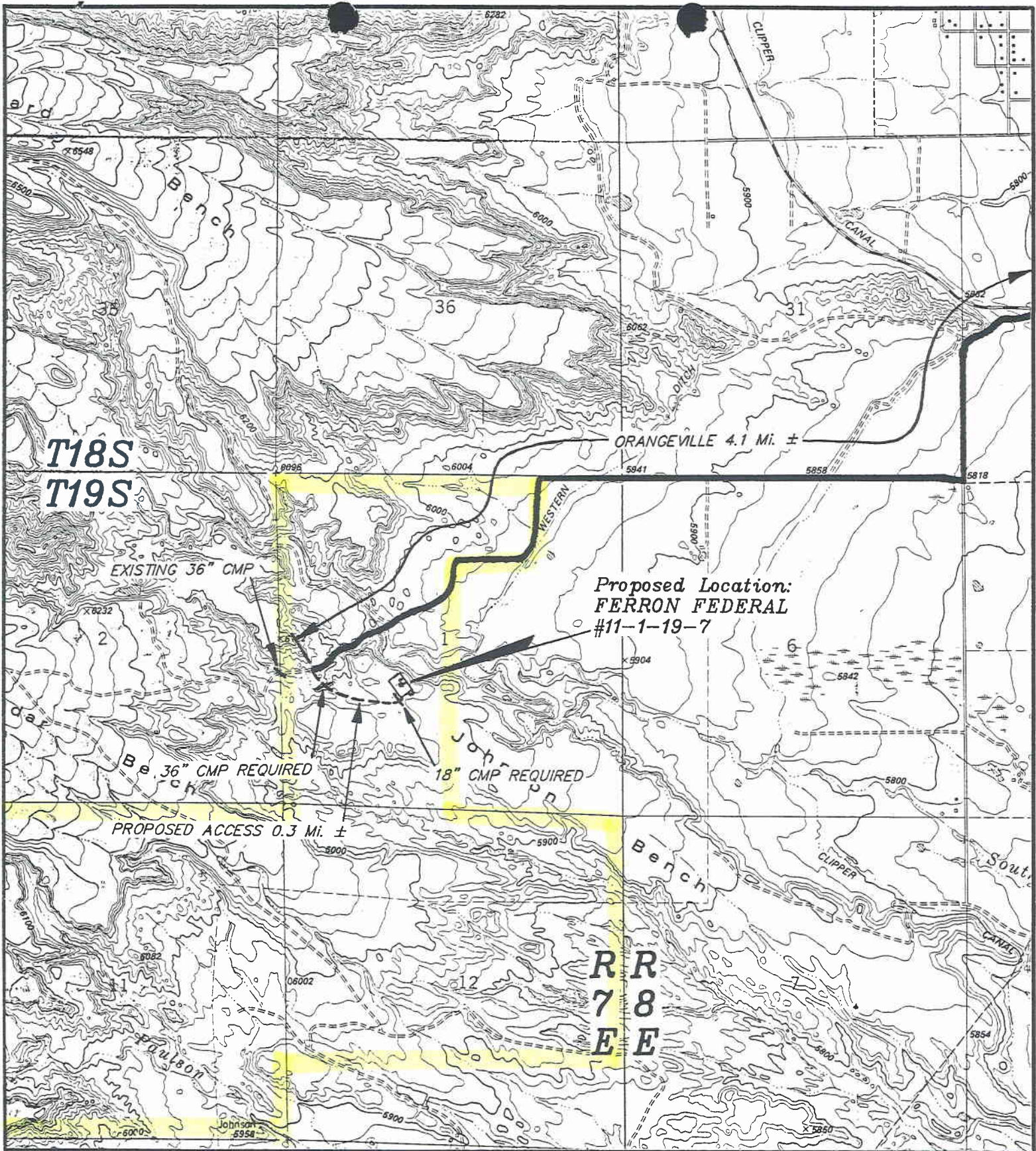


APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	1,020 Cu. Yds.
Remaining Location	=	2,490 Cu. Yds.
TOTAL CUT	=	3,510 CU.YDS.
FILL	=	2,280 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	1,110 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	1,110 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.

FERRON FEDERAL #11-1-19-7
SECTION 1, T19S, R7E, S.L.B.&M.
1940' FSL 1944' FWL



TOPOGRAPHIC
MAP "B"

SCALE: 1"=2000'

DATE: 7/31/95 D.COX



LEASE BOUNDARY
CHANDLER & ASSOCIATES, INC.

FERRON FEDERAL #11-1-19-7
SECTION 1, T19S, R7E, S.L.B.&M.
1940' FSL 1944' FWL

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/03/95

API NO. ASSIGNED: 43-015-30261

WELL NAME: FERRON FEDERAL 11-1-19-7
OPERATOR: CHANDLER & ASSOCIATES INC (N3320)

PROPOSED LOCATION:

NESW 01 - T19S - R07E
SURFACE: 1940-FSL-1944-FWL
BOTTOM: 1940-FSL-1944-FWL
EMERY COUNTY
BUZZARD BENCH FIELD (132)

LEASE TYPE: FED
LEASE NUMBER: U - 18134

PROPOSED PRODUCING FORMATION: FRSD

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond: Federal ☒ State ☐ Fee ☐
(Number 124290364)
N Potash (Y/N)
N Oil shale (Y/N)
Y Water permit
(Number CITY OF CASTLEDALE)
N RDCC Review (Y/N)
(Date: _____)

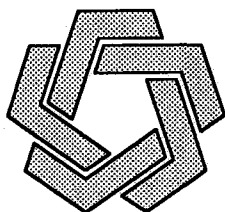
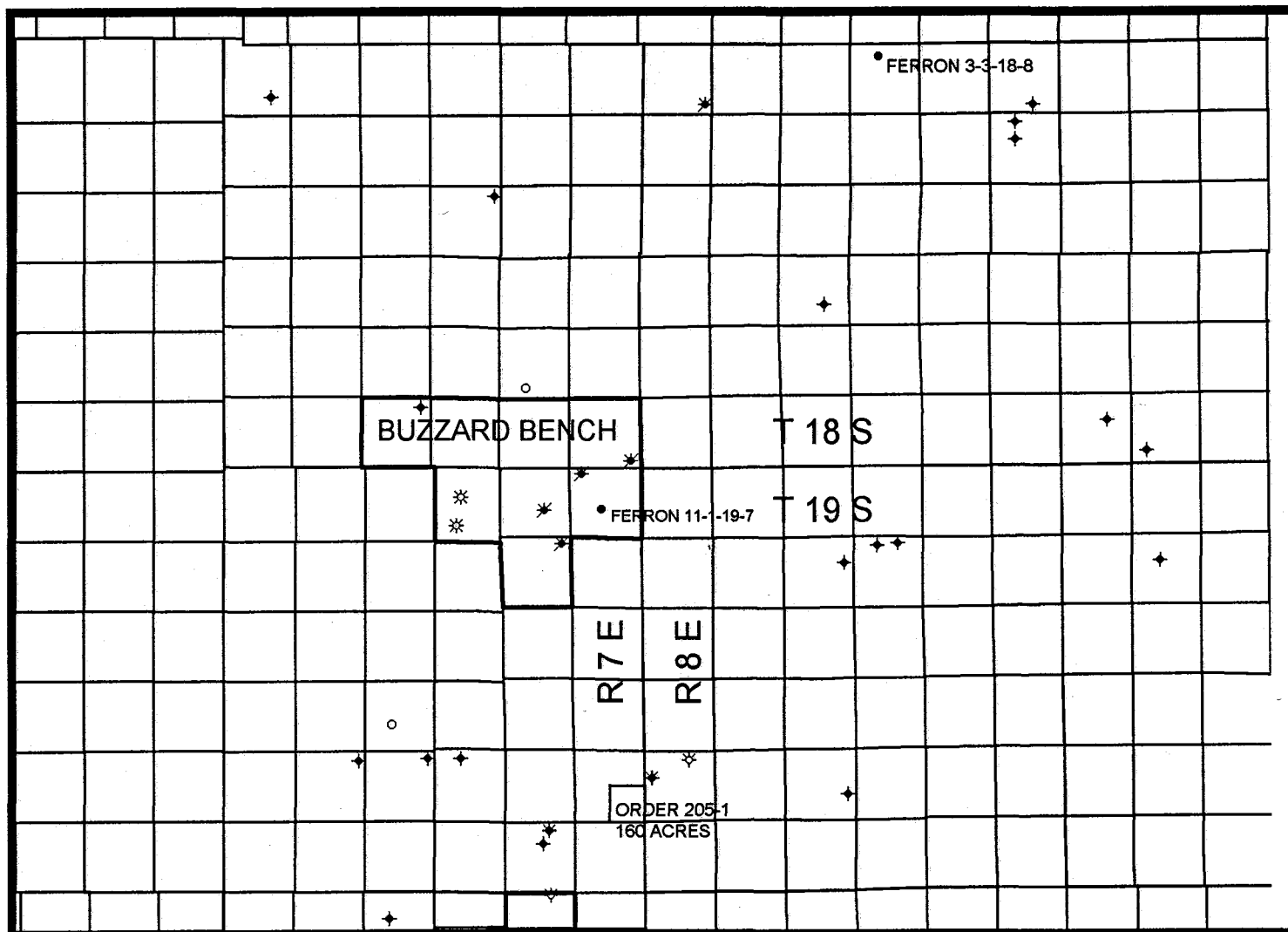
LOCATION AND SITING:

___ R649-2-3. Unit: _____
☒ R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
Board Cause no: _____
Date: _____

COMMENTS: _____

STIPULATIONS: _____

CHANDLER & ASSOCIATES EXPLORATORY & DEVELOPMENT DRILLING EMERY COUNTY, STATE SPACING



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS & MINING

DATE: 8/4/95

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: CHANDLER & ASSO INC	Well Name: FERRON FED 11-1-19-7
Project ID: 43-015-30261	Location: SEC. 01 - T19S - R07E

Design Parameters:

Mud weight (7.88 ppg) : 0.409 psi/ft
 Shut in surface pressure : 917 psi
 Internal gradient (burst) : 0.024 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	2,380	5.500	15.50	J-55	ST&C	2,380	4.825	
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)	
1	974	4040	4.148	974	4810	4.94	36.89	202 5.48 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 10-26-1995
 Remarks :

Minimum segment length for the 2,380 foot well is 1,500 feet.
 SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 91°F (Surface 74°F , BHT 107°F & temp. gradient 1.400°/100 ft.)
 String type: Production
 The mud gradient and bottom hole pressures (for burst) are 0.409 psi/ft and 974 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

CONFIDENTIAL

Form 3160-3
(December 1990)

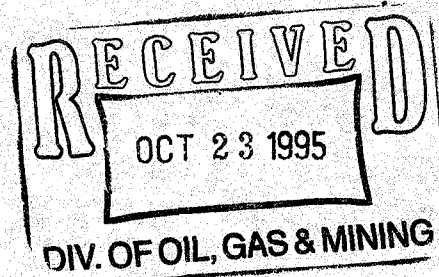
SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires: December 31, 1991

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U-18134	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Chandler & Associates, Inc.			7. UNIT AGREEMENT NAME N/A	
3. ADDRESS AND TELEPHONE NO. 475 Seventeenth St., Suite 1000 Denver, CO 80202			8. FARM OR LEASE NAME, WELL NO. Ferron Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1940' FSL 1944' FWL At proposed prod. zone			9. API WELL NO. # 11-1-19-7	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* See Topo Map "A"			10. FIELD AND POOL, OR WILDCAT Ferron	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 756'		16. NO. OF ACRES IN LEASE 1480		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		19. PROPOSED DEPTH 2380'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6025' GR			22. APPROX. DATE WORK WILL START* A.S.A.P.	
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT



**FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
Dated 1/1/80**

CONDITIONS OF APPROVAL ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Robert L. Kay SIGNED Robert L. Kay TITLE Agent for Chandler DATE 8-1-95

(This space for Federal or State office use)

PERMIT NO. 43-015-30261 APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

/S/ WILLIAM C. STRINGER

Associate District Manager

OCT 17 1995

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

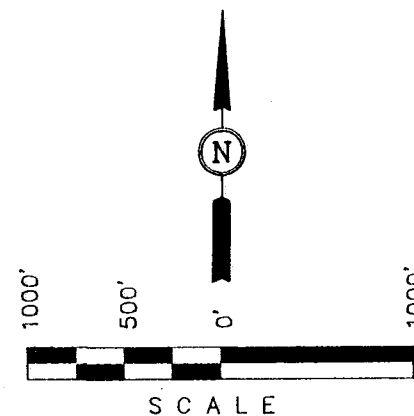
T19S, R7E, S.L.B.&M.

CHANDLER & ASSOCIATES, INC.

Well location, FERRON FEDERAL #11-1-19-7, located as shown in the NE 1/4 SW 1/4 of Section 1, T19S, R7E, S.L.B.&M. Emery County, Utah.

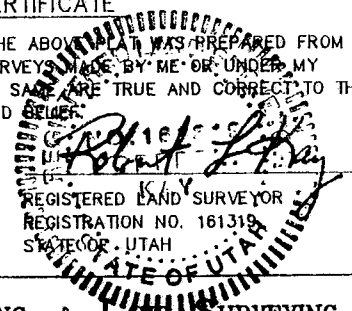
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 1, T19S, R7E, S.L.B.&M. TAKEN FROM THE CASTLE DALE QUADRANGLE, UTAH, EMERY COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5941 FEET.



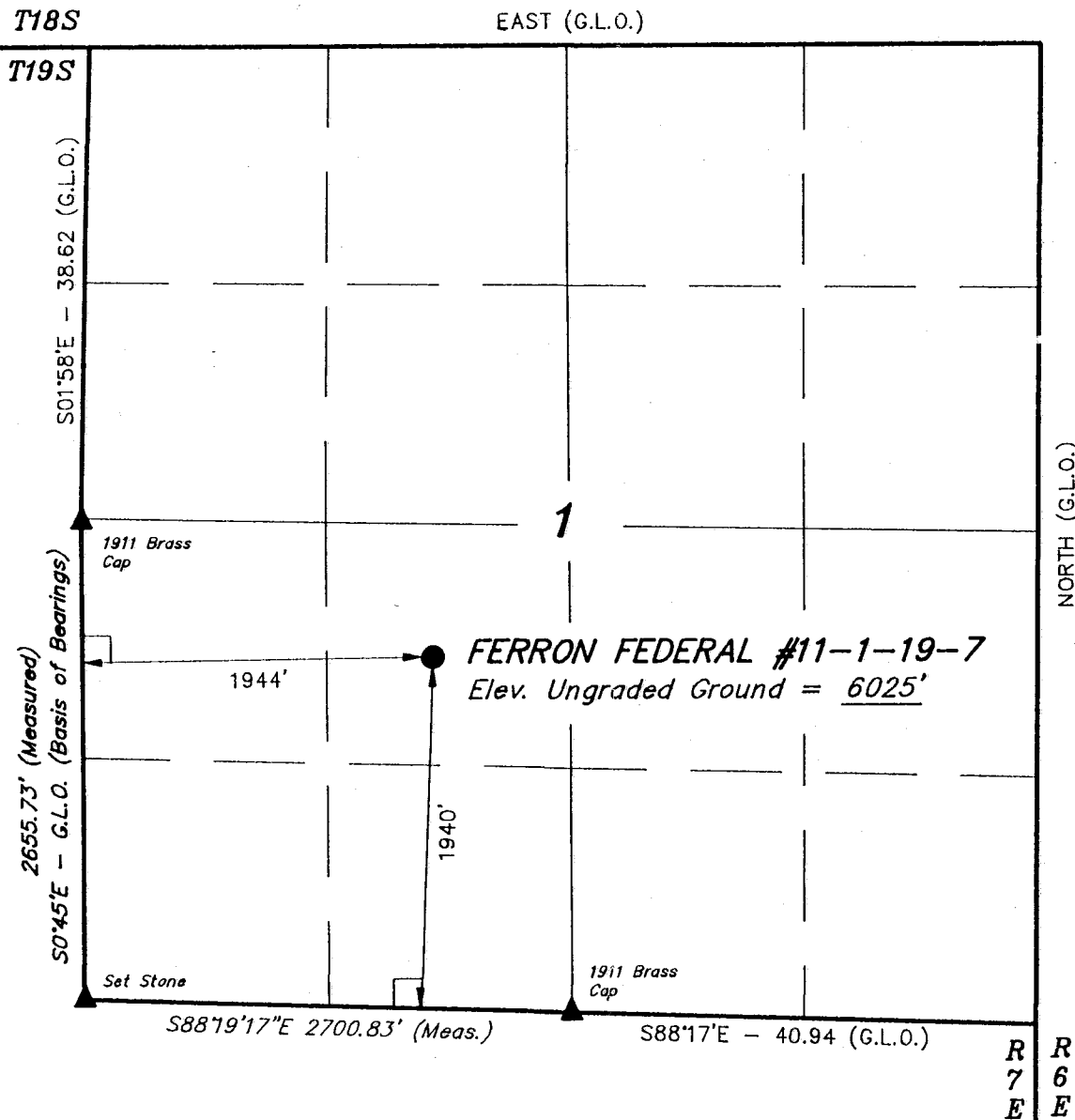
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 7-28-95	DATE DRAWN: 7-31-95
PARTY D.A. C.G. D.J.S.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE CHANDLER & ASSOCIATES, INC.	



LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

October 26, 1995

Chandler & Associates, Inc.
475 Seventeenth Street, Suite 1000
Denver, Colorado 80202

Re: Ferron Federal #11-1-19-7 Well, 1940' FSL, 1944' FWL, NE SW, Sec. 1, T. 19 S.,
R. 7 E., Emery County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-015-30261.

Sincerely,

R. J. Birt
Associate Director

lwp

Enclosures

cc: Emery County Assessor
Bureau of Land Management, Moab District Office

WAPD



Operator: Chandler & Associates, Inc.

Well Name & Number: Ferron Federal #11-1-19-7 Well

API Number: 43-015-30261

Lease: Federal U-18134

Location: NE SW Sec. 1 T. 19 S. R. 7 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

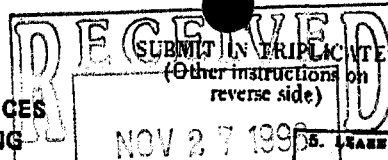
Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING



SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-18134
2. NAME OF OPERATOR Chandler & Associates, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NONE
3. ADDRESS OF OPERATOR 475 17th Street, Suite 1000, Denver, CO 80202 970-675-8451		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1940' FSL, 1944' FWL, Sec. 1, T19S, R7E, S.L.M.		8. WELL NO. 11-1-19-7
14. PERMIT NO. 43-015-30261		10. FIELD AND POOL, OR WILDCAT Ferron
15. ELEVATIONS (Show whether SP, RT, GR, etc.) 6025' GR		11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA Sec. 1, T19S, R7E, SLM
		12. COUNTY OR PARISH Emery
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Request APD extension <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Chandler & Associates requests permission to extend the approved APD dated 10-17-95 for a period of one year. This extension is requested based upon the uncertainty of developing a drilling program due to the ongoing area EIS and awaiting the approval of additional APD's which have been submitted. There have been some recent APD approvals that together with an extension of this APD will enable Chandler to develop a drilling program for the calendar year 1997.

extend to 10/26/97
DTS

18. I hereby certify that the foregoing is true and correct

SIGNED Jim Simanton

TITLE Operations Supervisor

DATE 11-25-96

(This space for Federal or State office use)

APPROVED BY John Matthews

TITLE Petroleum Engineer

DATE 12/3/96

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SANDHILL & PRICE RIVER
RESERVE AREAS
95 NOV 29 AM 8:51

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Chandler & Associates, Inc.

3. Address and Telephone No.

475 17th Street, Suite 1000, Denver, CO 80202 970-675-8451

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1940' FSL, 1944' FWL, Sec. 1, T19S, R7E, S.L.M.

5. Lease Designation and Serial No.

U-18134

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Ferron Fed. 11-1-19-7

9. API Well No.

43-015-30261

10. Field and Pool, or Exploratory Area

Ferron

11. County or Parish, State

Fremont County, Utah

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

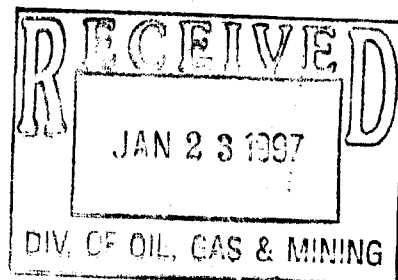
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other APD Extension
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Chandler & Associates requests permission to extend the approved APD dated 10-17-95 for a period of one year. This extension is requested based upon the uncertainty of developing a drilling program due to the ongoing area EIS and awaiting the approval of additional APD's which have been submitted. There have been some recent APD approvals that together with an extension of this APD will enable Chandler to develop a drilling program for the calendar year 1997.

CONFIDENTIAL



14. I hereby certify that the foregoing is true and correct

Signed Jim Simonson
(This space for Federal or State office use)
/s/ Brad D. Palmer

Title Operations Supervisor

Date 11-25-96

Title Assistant Field Manager,
Resource Management

Date JAN 21 1997

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

APD Extension
Chandler and Associates, Inc.
Well No. Ferron Federal 11-1-19-7
Sec. 1, T. 19 S., R. 7 E.
Lease U-18134
Emery County, Utah

CONDITIONS OF APPROVAL

1. The above referenced APD is extended for a period of one year. Its expiration date is now **October 17, 1997.**
2. In the future, please apply for APD extension prior to the expiration of the initial term.
3. Please submit all sundry notices to the Moab BLM office, as this is the approving office. We will forward copies to Price.

Bureau of Land Management
Moab District Office
82 East Dogwood
Moab, Utah 84532

From: Verlene Butts <vbuts@ut.blm.gov>
To: NRDOMAIN.NROGM(DSTALEY)
Date: 8/10/98 2:28pm
Subject: Rescind well permits?? - Reply

Good Afternoon Don! Well here is the rest of the story, o.k.! The following permits are in the process of being rescinded to the operator, a copy of the letters are forthcoming.

Chandler & Associates, Inc.

43-015-30260	3-3-18-8	3-18S-8E
43-015-30263	8-7-18-8	7-18S-8E
43-015-30265	5-12-19-7	12-19S-7E
43-015-30261	11-1-19-7	1-19S-7E

On the following permits I have sent memorandums to the San Juan Resource Area and San Rafael Resource Area to field check the location of rehab and subsequently rescind the permit and release the bond for this location.

Petral Exploration

43-037-31781	1-24X	24-37S-24E
43-037-31791	Knockdhu Unit #8	33-37S-25E

Texaco Inc.

43-015-30296	33-22	33-21S-6E
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Farmington R. A. would handle this permit.

Mobil Oil

43-037-31132	RU 24-41	24-41S-23E
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Hope this helps, bye, Verlene

>>> Don Staley <nrogm.dstaley@state.ut.us> 08/03 10:05 am >>>
Hi Verlene,

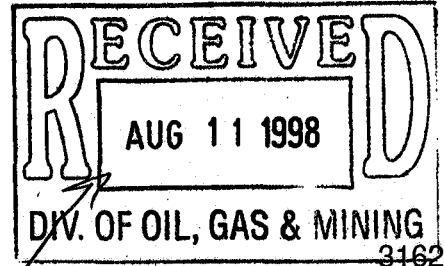
Could you check out the status of the following permits for me. According to my records, they are all due to be rescinded. Thanks!

API NAME	OPERATOR LOCATION	WELL
43-015-30260 3-3-18-8	Chandler 3-18S-8E	Ferron Fed
43-015-30261	Chandler	Ferron Fed 11-1-19-7 1-19S-7E
43-015-30263 8-7-18-8	Chandler 7-18S-8E	Ferron Fed
43-015-30265 5-12-19-7 12-19S-7E	Chandler	Ferron Fed

CC: WELL FILE

8/12/98

Moab District Office
82 East Dogwood
Moab, Utah 84532



(UTU18134)
(UT-065)

DOG-M
'LA'
DATE

Chandler & Associates, Inc.
475 17th Street, Suite 1000
Denver, Colorado 80202

Re: Rescinding Application for Permit to Drill
Well No. Ferron Federal 11-1-19-7
NESW Sec. 1, T. 19 S., R. 7 E.
Emery County, Utah
Lease UTU18134

AUG - 7 1998

43-015-30261

Gentlemen:

The Application for Permit to Drill the referenced well was approved on October 17, 1995, due to expire on October 17, 1996, and later extended until October 17, 1997. The approval process has lapsed, and the well has not been drilled, therefore, we are rescinding the APD. Should you intend to drill this location at a future date, a new application for permit to drill must be submitted.

If you have any concerns and/or questions, please contact Verlene Butts, Legal Instruments Examiner at (435) 259-2152.

Sincerely,

/S/ WILLIAM C. STRINGER
Assistant District Manager
Resource Management

Enclosure
Application for Permit to Drill (22pp)

cc: SRRA, UT067 (wo/Enclosure)
State of Utah
Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801 (wo/Enclosure) ✓
VButts:vb:8/5/98